CHIEF OF NAVAL EDUCATION AND TRAINING AUTOMATED
REQUIREMENT SYSTEM (CARS)(U) TRAINING ANALYSIS AND
EVALUATION GROUP (NAVY) ORLANDO FL G W HODAK ET AL.
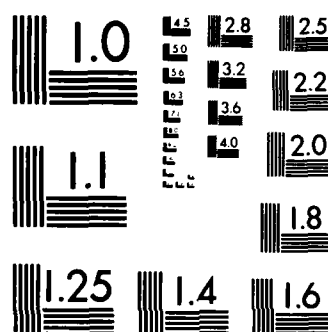
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CHIEF OF NAVAL EDUCATION AND TRAINING
AUTOMATED REQUIREMENT SYSTEM (CARS)

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TRAINING ANALYSIS AND EVALUATION GROUP
ORLANDO, FLORIDA

Technical Report 115

CHIEF OF NAVAL EDUCATION AND TRAINING
AUTOMATED REQUIREMENT SYSTEM (CARS)

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July 1982

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Training Resource Information Displays (TRID)
Program Objective Memorandum (POM)

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

The CNET Automated Requirement System (CARS) allows the Chief of Naval Education and Training to input, edit, and delete automatically the data associated with Resource Requirements submitted during the annual Program Objective Memorandum cycle. In addition, the system enables CNET to transmit the data from computer to computer quickly and accurately.

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SECTION I

INTRODUCTION

The Training Analysis and Evaluation Group (TAEG) has worked during the past three years with the Chief of Naval Education and Training (CNET) Program Coordination Branch (N-35) to automate resource requirements requests for use in the Program Objective Memorandum (POM) process. Initial work in this area consisted of developing computer software for data documentation and then automating the various aspects of the submission process. Due to modifications in the POM process, significant computer programming problems evolved in the CNET system during the POM 83 submission cycle. Since it was expected that these problems would continue in the POM 84 development, CNET tasked[1] TAEG to provide assistance to the Program Coordination Branch to improve and redesign, if necessary, the system structure and software of the existing automated data base.

PURPOSE

This report presents the CNET Automated Requirement (CAR) System and provides a guide on how to operate the system.

OVERVIEW OF THE CNET AUTOMATED REQUIREMENT SYSTEM

The CAR System provides an efficient and effective means of manipulating Training Resource Information Displays (TRIDs) generated by the Naval Education and Training Command (NAVEDTRACOM) and improves CNET's capability to automatically transmit TRIDs. Figure 1 illustrates the options that comprise the CAR System. Ten subsystems may be selected by the user from the Master CAR System Menu. When selected, the subsystem appears on the display as a list (menu) of additional options which allow the user to access the system files for a variety of sort and data input/output programs.

The system is highly interactive and user oriented, with numerous instructions provided throughout to aid the user. As a result of the design and the concise instructions provided, the system can accommodate users without appreciable training. System software is written in BASIC to operate on a WANG 2200 MVP system and will support multiple users. → p. 14-73

ORGANIZATION OF THE REPORT

In addition to this introduction the report contains two other sections. Section II briefly describes the major system options and section III details operation of the system.

[1]CNET ltr Code N-35 of 16 Jan 1981.
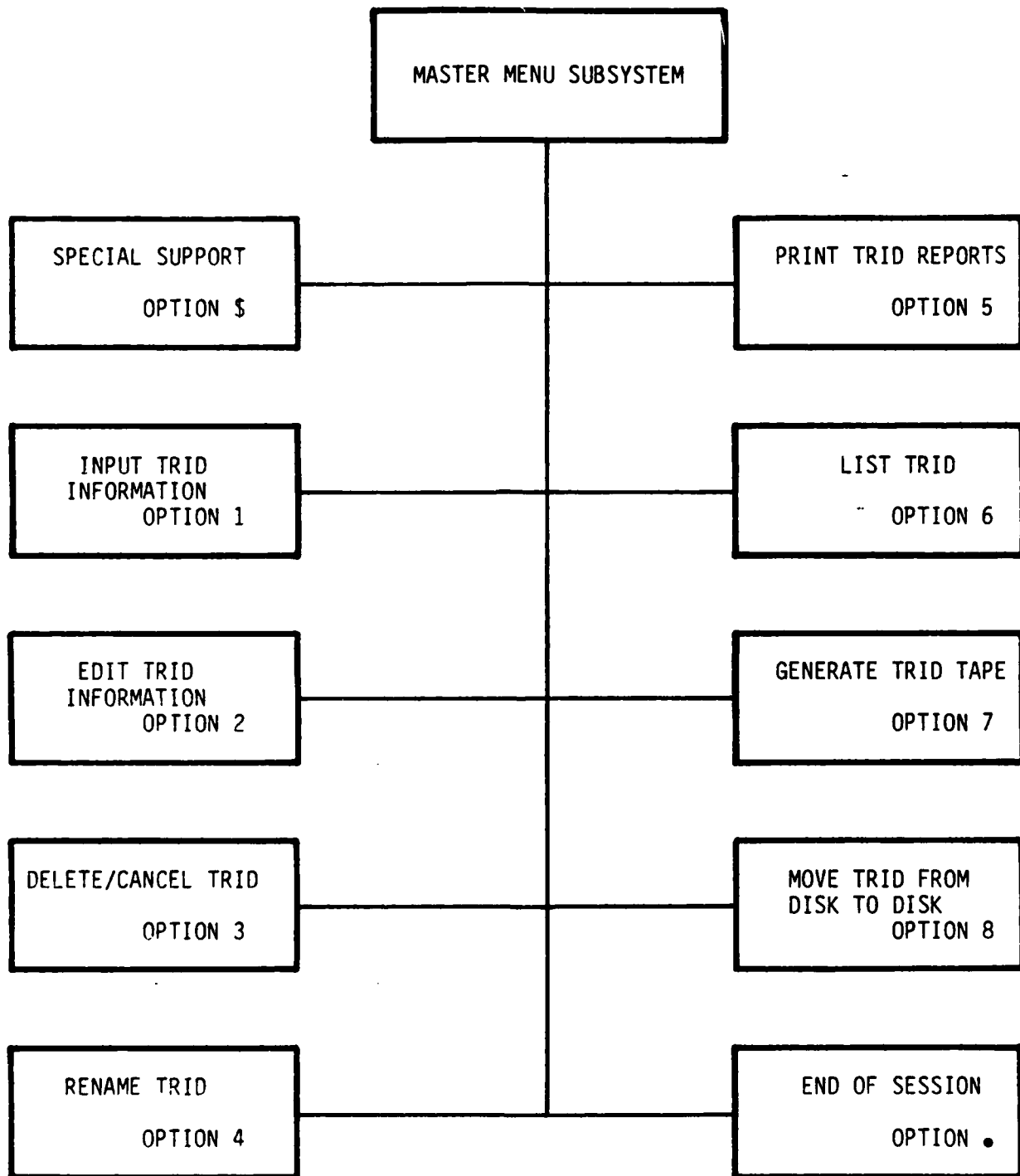
Figure 1. Master Menu Subsystems

SECTION II

SYSTEM OPTIONS

Option $ The Special Support Subsystem consists of system accounting programs, error recovery programs, and initialization programs. Only Options 1, 2, and 3 of the eight programs contained in this subsystem are used during normal system operations. The remainder deal with the actual program structure and are only for use by a qualified systems programmer.

Option 1 The Input TRID Information Subsystem allows the user to input information into the data files.

Option 2 The Edit TRID Information Subsystem allows the user to edit the information already contained in the data files.

Option 3 The Delete/Cancel TRID Subsystem allows the user to delete all or part of the TRID. In addition, it has the capability to cancel or uncancel a TRID.

Option 4 The Rename TRID Subsystem allows the user to rename TRID and to print a cross reference list of any TRID that has been renamed.

Option 5 The Print TRID Reports Subsystem sorts resources (funds and manpower) and then allows the user to print a single TRID, or all TRIDs.

Option 6 The List TRID Subsystem allows the user to list (and print) all TRIDs, cancelled TRIDs, or active TRIDs.

Option 7 The Generate TRID Tape Subsystem allows the user to generate a tape containing all TRIDs or selected TRIDs.

Option 8 The Move TRID from Disk to Disk Subsystem allows the user to transfer the TRID data base from disk to disk.

SECTION III

CAR SYSTEM OPERATING PROCEDURES

The required computer hardware (CRT, disk drive, and line printer) must be available to the user. Because of the many possible equipment configurations, only personnel knowledgeable in WANG computer hardware should set up and test the system for hardware errors.

When the system is used for the first time, all system files must be initialized or "cleared." Also, the files can be reinitialized anytime the user desires to erase all data stored in the files. Of course, if a backup for the data is not maintained, the data can not be recovered. The procedure for initializing the files is described in the Special Support Subsystem (Master Menu Option $), and caution should be exercised when opting to use the initializing feature of this subsystem.

After the system is operational, the following will appear on the screen:

```
                         READY (BASIC-2 )
```

To load the CAR System, the user types in the following commands:

```
                 SELECT DISK XXX (RETURN)
                 LOAD RUN         (RETURN)
```

NOTE: The appropriate disk address is typed in the space above

identified as XXX.

Upon completing the above step, the following display will appear on the

screen:

```
            *** 2200 VP/MVP DISK PGM SELECTION MENU ***



   SELECT SYSTEM WITH SPACE AND BACKSPACE

   PRESS RUN to execute, CLEAR for new primary disk address

             CAR:  CNET Automated Requirement System

```

After system selection and pressing RUN, the following display will appear:

NOTE: You may return to this point anytime prior to reaching the master menu screen by pressing special function key SF'15. If you have reached the master menu press . (period) RETURN to get back to this point. If you have to revert to the initial step of this program from this point, press HALT, RETURN, CLEAR, RETURN.

Attention

     All of the data entry prompts used throughout this system terminace (cursor moves to next prompt) automatically when full. If the RETURN key is pressed to terminate a prompt which has been filled, the system assumes the RETURN pertains to the next prompt, which is then terminated. This automatic termination of full fields is incorporated into the system to increase user productivity by decreasing the necessary number of keystrokes. It may take some getting use to, but in the long run it is much more efficient.

NOTE: All data entry prompts will allow input data to be underlined. Be aware that when underlined data is printed on a 2261W printer that underlined data will be orinted as blanks.

READY. Press RETURN to continue.

PLEASE STAND BY WHILE LOADING CONTINUES

Pressing RETURN will cause the following display to appear:

```
Welcome to the CNET Automated Requirement System

Please Enter Today's Date (mmddyy):    _____
```

Enter current date. All fields must contain two digits; a zero should precede any single digit month or day. For example, October 7, 1981 should appear as 100781. After the date is entered, Press RETURN and the following questions will appear one line at a time. To advance to the next question, press RETURN.

The system has been set up to default through these questions. If there are no changes to be made to the responses, press E (for exit) and then RETURN to proceed to the next screen.

```
Welcome to the CNET Automated Requirement System          10/27/81 S: 0

     Please Enter Today's Date (mmddyy):                      102781

     Please Enter Printer Address:                            215

     Please Enter the Disk Address of the disk drive
        containing TRID System programs:                      D33

     Please Enter the Disk Address of the disk drive
            containing TRID Data Files:                       D33

     Are ALL Data Files on disk /D31 (Yes or No)?             Yes

     Please enter starting fiscal year of data base

     Please enter average salaries for manpower (O/E/C):   22000
```

Subsystem Data	- Address	Average Salaries (O/E/C)			Program	Printer	FY
Header File	/D33						
Resource Funds	/D33	22000/	16000/	18000	D31	/005	84
Resource Billets	/D33						
Billet Justification	/D33						
Equipment	/D33						
System Sort Files	/D30						

```
1 EQUIPMENT REQUIRED:   N
                                                          REQUESTED
LI  AC/              LINE                                FY 84    FY 85    FY 86    FY 87    FY 88
NO  BA  CL   TYPE ITEM  PE    UIC     AG/    PSD LE-   ($000)   ($000)   ($000)   ($000)   ($000)
                                      SAG        VEL

                                                        0        0        0        0        0
2                                     PROGRAMMED         0        0        0        0        0
                                                        0        0        0        0        0
3                                     PROGRAMMED         0        0        0        0        0


JUSTIFICATION
4


5



(PAGE 4) ENTER: Line #, P# -Page, E -Exit, N -NEXT 2, RETURN -next line,
   C -List AC/BA Codes
```

```
1 FACILITIES REQUIRED:   N
                                                       REQUESTED
LI  AC/            LINE                 AG/        LE-   FY 84    FY 85    FY 86    FY 87    FY 88
NO  BA  CL  TYPE ITEM  PE      UIC      SAG PSD    VEL  ($000)   ($000)   ($000)   ($000)   ($000)

                                                        0        0        0        0        0
2                                      PROGRAMMED        0        0        0        0        0
                                                        0        0        0        0        0
3                                      PROGRAMMED        0        0        0        0        0


JUSTIFICATION
4


5



(PAGE 5) ENTER:  Line #, P# -Page, E -Exit, N - NEXT 2, RETURN -next line,
        C -List AC/BA Codes                                                        ##
```

```
1 COURSE CATEGORY:            COURSE ID NO:                    CDP:

2 COURSE LENGTH:     0        CLASS CAPACITY:      0           NEC:

3 ZBD NO:

     ANNUAL INPUT

                              FY 84                       FY 85
                    OFF        ENL       OTH       OFF      ENL      OTH
4 CHARGEABLE- continued  0       0                   0       0
5 NON-CHARGE-continued   0       0        0          0       0        0

   AVERAGE-ON-BOARD

                              FY 84                       FY 85
                    OFF        ENL       OTH       OFF      ENL      OTH
6 CHARGEABLE-continued   0       0                   0       0
7 NON-CHARGE-continued   0       0        0          0      ·0·       0

8 OPERATIONAL BILLETS    FY 84      FY 85      FY 86      FY 87      FY 88
                           0          0          0          0          0

(PAGE 2) ENTER:  Line #, P# -Page, E -Exit Page, RETURN -next line
```

LI NO	AC/ BA	CL	TYPE	LINE ITEM	PE	UIC	AG/ SAG	PSD LE- VEL	FY 84 ($000)	FY 85 ($000)	FY 86 ($000)	FY 87 ($000)	FY 88 ($000)
OTHER REQUIREMENTS								REQUESTED					
1	07	62	OTH		89731	C0273	M6MN		7	17	0	0	0
							PROGRAMMED		0	0	0	0	0
2	07	62	OTH		89731	C0273	M6MN		78	282	282	282	282
							PROGRAMMED		0	0	0	0	0
3	96	62	OTH		89731	C0273	M6MN		185	185	185	185	185
							PROGRAMMED		0	0	0	0	0

JUSTIFICATION

4 O&M,N 6.5K one time cost for office furnishings in FY 84; 17K in FY 85

5 O&M,N 78K for travel/per diem in FY 84: 282K in FY 85-88

6 O&M,N 185K for salaries for conversion of five Air MOD reimbursable ceiling
   points to O&M,N for air acquisition use.

(PAGE 3) ENTER: Line #, P# -Page, E -Exit, N -NEXT 3, RETURN -next line,
   C -List AC/BA Codes   ##

After the files are opened, the following display will appear:

```
 * * * TRID Input Program * * *                          10/17/81 S: 1

        (Edit)

                              Input Mode
                              (Edit Mode)

 Enter TRID Number to Be Added or RETURN:    ######
                           (Edited)
```

Upon entering the TRID number and pressing RETURN, the following display appears:

```
CAR SYSTEM - P84-IK-005   CANCELLED:  N  DATE ORG/REV:  09/14/81  REVISION NO:  0
1 KEY UIC:  C0273        ACTIVITY SHORT TITLE:  NTEC SIM ACQ

2 RESOURCE SPONSOR:  OP-05     PROGRAM/COURSE TITLE:  AIR ACQUISITION


3 PROGRAM SHORT TITLE:                              REQ SPONSOR:  OP-05

4 TYPE PROGRAM:  PEX      NTP NO: NONE       FCDR: NTEC         FCDR NO:  IK-005
5 CNET RRR NO:  P84-IK-005     CNET COG:     SHORSTAMPS VALID:  Z   PJD NO:  N/A

6 REQUIREMENT DEFINITION:
      Requirements are based on the following listing of aviation major
acquisitions:

                     AVIATION MAJOR ACQUISITIONS (POM 84)

7 ORIGINATOR NAME          COMMAND/CODE           AUTOVON  CNET COG NAME    AUTOVON
R. TEDDER                 NAVTRAEQUIPCEN N-091    791-5304                  -
8 FUNDED BY:  OP-          FUNDING STATUS:        PRIORITY:        CDPS:


(PAGE 1) ENTER:  Line #, P# -Page, E -Exit Page, RETURN -Next field
```

Any of the next eight displays (two displays are continuation screens) may be accessed from this point by entering P and the page number.

Command Codes for Pages 3-7

__N__   Due to space limitations, the screen can only display so many entries. In order to continue inputting (resources/billets), hit N and RETURN and screen will advance to permit additional entries. For instance, on page 7, if you had inputted eight pieces of equipment and had three more to input, you would press N to allow you to continue with the three additional pieces.

__C__   An Appropriation Code must be entered in accordance with an Appropriation Dictionary. To display the list of Appropriation Codes/Budget Activities, press C (and RETURN).

Command Codes for Page 6 (Manpower)

__U__   On a single TRID, it is possible to input billets against several differenct UICs. When the UIC/PE/OBSE/CL change, press U (and RETURN) to obtain a clear screen to input against next UIC entry.

__F__   If while entering data for several different UICs, you find you need to add a billet to your FIRST UIC, input F (and RETURN) and screen will return to this record.

__T__   During the course of entering data, it is possible that you will input several different billet types (i.e., civilians, military trainees, students, military personnel). If you wish to see the total of how many you have inputted, input T (and RETURN). Screen will display three separate totals; one for MILTRA/STU, one for MILPERS, and one for CIVH.

Selecting Option 1, Input TRID Information Subsystem, from the Master System Menu will cause the screen to display:

Please wait while files are being opened .... Thanks

INPUT TRID INFORMATION SUBSYSTEM (MASTER MENU OPTION 1)

This subsystem is structured to display seven pages (or screens) of data records. At the bottom of each page, page numbers and special command codes are identified to permit flexibility in moving from one location to another. The more a user operates the subsystem, the more familiar and logical these command codes become. A brief definition of the commands that appear on each page follows:

Command Codes for Pages 1-7

Line #	Enter Line # and press RETURN. Cursor will move to line selected.
P	Input P __ (and the appropriate page number) and that page will automatically be displayed. You do not have to press RETURN button.
E	Press letter E to return the program back to the screen where TRID Number is inputted.
;	Press the ; key to exit the line. The cursor will return to the bottom of screen and will not change any of the data entered.
RETURN	The RETURN key is used to move cursor to next entry field.
RECALL	The RECALL key is used · reverse direction and return to the last entry field.

Command Codes for Pages 1, 3-6

CONTINUE	When inputting justification, you are limited to 15 lines. When this 15-line Buffer is full, press CONTINUE key to access next Buffer of 15 lines.
FN	Upon completion of inputting justification, press FN key to store this data.

Command Codes for Pages 2-7

D	In many cases, the resources/billets required for entry will be the same for all years. The "duplicate" function will allow you to duplicate your number by inputting D___ (and the amount requested) for the first year. Automatically, it will input the same number in the following four outyear records.

Enter the password and the screen will display the following:

```
CNET Automated Requirement System: FILE SELECTION MENU 10/27/81   S:   12

                        Enter Desired Option:


              Option!            System Files
                    !
              1     !      User Data Files
                    !
              2     !      System Data Files
                    !
              3     !      Report Documentation Files
                    !
              •     !      Return to Special Support Menu
```

From this menu the system manager is able to specifically select the files
that need to be initialized.

```
CAR:  REINITIALIZE DATA FILES                          10/27/81  S:  12

  *     This program will allow any of the system files to be Reini-
  *     tialized.  To ensure data integrity you must be the only user of
  *     the system.

  Please enter New Override Password:


                                  NOTE
  It has been known to happen that a file's format has been changed with-
  out giving proper notice to all programs using the file.  With this in
  mind, please make sure that the reformat programs have been repro-
  grammed so that they will properly reformat the files.
```

NOTE: If a user is on the system a warning statement appears stating:
       "There are other users, unable to continue."

After the required password is entered, the screen will display the
following:

```
CNET AUTOMATED REQUIREMENT System:  FILE SELECTION MENU  10/27/81  S:    12

                         Enter Desired Option:

             Option!                     System Files
                   !
              1    !              User Data Files
                   !
              2    !              System Data Files
                   !
              3    !              Report Documentation Files
                   !
                   !              Return to Special Support Menu
```

From this menu the System Manager is able to specifically select the files
that need to be initialized.

This display presents each of the 16 user stations individually and provides the systems manager with the capability of resetting each of the 16 files. Once the table has been reset for a particular station you may either press S and skip to the next station to be reset or press E and skip all the remaining stations.

Press E to exit this display and the following display will appear:

```
CAR:  RESET USER TABLE                                            S:  12

Do you wish to reset table of current users (Y or N)?
                    Sta                             User Name
                     1                              .no user
                     2                              .no user
                     3                              .no user
                     4                              .no user
                     5                              .no user
                     6                              .no user
                     7                              .no user
                     8                              .no user
                     9                              .no user
                    10                              .no user
                    11                              .no user
                    12                              SYSTEM
                    13                              .no user
                    14                              .no user
                    15                              .no user
                    16                              .no user
```

Press Y and the user table is RESET for all 16 stations (all files are closed).

OPTION 3, REINITIALIZE FILES. Selecting Option 3 from the Special Support Menu will cause the screen to display:

```
┌──────────────────────────────────────────────────────────────────────┐
│CNET Automated Requirement System: RESET USER TABLE      10/27/81  S:  12│
│                                                                        │
│    *    This program will reset the user access table for ALL users of the│
│    *    system.  Because of the completeness of this procedure, please go│
│    *    tell any other users to end their session before you continue with│
│    *    this program.                                                  │
│                                                                        │
│    Please enter New Override Password:                                 │
│                                                                        │
│                               NOTE                                     │
│    Having to reset the user access table should not become normal      │
│    procedure.  If you find that you are using this option often, it may be│
│    an indication of a more serious problem.  Please review your operating│
│    procedure and be sure you always return to the MASTER MENU and execute│
│    the option 'End of Session.'                                        │
└──────────────────────────────────────────────────────────────────────┘
```

After the required password is entered, press RETURN and the following display appears:

```
┌──────────────────────────────────────────────────────────────────────┐
│CAR:  RESET USER TABLE                                            S:  12│
│                                                                        │
│                                                                        │
│Option: (R-reset, C-change addresses, S-skip sta., E-skip remaining sta.)?│
│                                                                        │
│Station:  1  (.no user.)  ID        Filename        Address    Type     │
│                           1                                   DATA      │
│                           2                                   DATA      │
│                           3                                   DATA      │
│                           4                                   DATA      │
│                           5                                   DATA      │
│                           6                                   DATA      │
│                           7                                   DATA      │
│                           8                                   DATA      │
│                           9                                   DATA      │
│                          10                                   DATA      │
│                          11                                   DATA      │
│                          12                                   DATA      │
│                          13                                   DATA      │
│                          14                                   DATA      │
│                          15                                   DATA      │
│                          16                                   DATA      │
└──────────────────────────────────────────────────────────────────────┘
```

NOTE

The purpose of the System Flags Option is threefold: (1) to identify the system user (i.e., whose disk), (2) to indicate whether or not the programs are protected, and (3) to define the override password. This information is normally input by a systems programmer during program development. The information needs to be known by the system manager since restrictions on program use are built into the system.

Once the user enters the required PASSWORD the following display will appear:

```
CAR:  UPDATE SYSTEM FLAGS                                    10/27/81 S:  1

                                      +----------------------------------+
(1)   System User:         CNET       !     Definition of System User    !
                                      ! CNET - CNET user                 !
                                      ! FCDR - Functional Cmdr user      !
                                      +----------------------------------+

                                      +----------------------------------+
(2)   Protect Status:      UNPROTECT  !     Definition of PGM PROTECT    !
                                      ! PROTECT - programs protected     !
                                      ! UNPROTECT - programs unprotected!
                                      +----------------------------------+

                                      +----------------------------------+
(3)   Current Override PW: SYSTEM     !     Definition of Override PW    !
                                      ! An 8 char code which must be     !
                                      ! used to override sys protection  !
                                      +----------------------------------+

Enter Option: (RETURN, line #, A-abort, O-save, P-print)
```

OPTION 2, RESET USER TABLE. Selecting Option 2 from the Special Support Menu will cause the screen to display:

```
              ┌─────────────────────────────┐
              │  SPECIAL SUPPORT SUBSYSTEM   │
              │  (MASTER  MENU OPTION $)     │
              └──────────────┬──────────────┘
                             │
┌──────────────────────┐     │      ┌──────────────────────┐
│ EDIT SYSTEM FLAGS     │     │      │ ANALYZE LINK STRUCTURE│
│             OPTION 1  ├─────┼──────┤             OPTION 4  │
└──────────────────────┘     │      └──────────────────────┘
                             │
┌──────────────────────┐     │      ┌──────────────────────┐
│ RESET USER TABLE      │     │      │ ALTER LINK STRUCTURE  │
│             OPTION 2  ├─────┼──────┤             OPTION 5  │
└──────────────────────┘     │      └──────────────────────┘
                             │
┌──────────────────────┐     │      ┌──────────────────────┐
│ REINITIALIZE FILES    │     │      │ LOAD SPECIAL          │
│             OPTION 3  ├─────┼──────┤ APPLICATION PROGRAM   │
└──────────────────────┘     │      │             OPTION 6  │
                             │      └──────────────────────┘
                             │
                             │      ┌──────────────────────┐
                             │      │ RETURN TO MASTER      │
                             │      │        MENU           │
                             └──────┤             OPTION •  │
                                    └──────────────────────┘
```
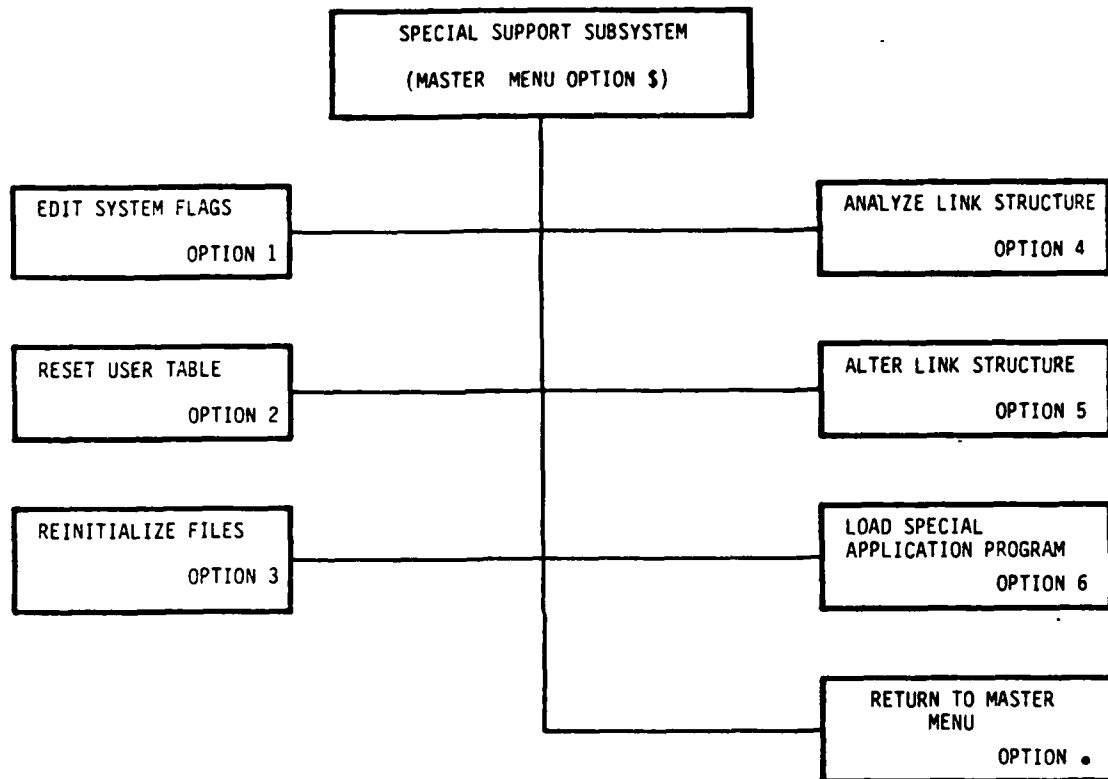
Figure 2. Special Support Subsystem

SPECIAL SUPPORT SUBSYSTEM (MASTER MENU OPTION $)

Figure 2 illustrates the options available to the user of the special support subsystem.

Selecting Option $ from the Master CAR System Menu will cause the system to display:

CNET Automated Requirement System: 10/27/81 S: 1

                          Enter Desired Option:

Option!	SYSTEM ACCOUNTING PROGRAM	Option!	INITIALIZE & REBUILD FILES
!		!	
!		3	! Reinitialize Files
1 !	Edit System Flags	4	! Analyze Link Structure
!		5	! Alter Link Structure
!		!	
!	ERROR RECOVERY PROGRAMS	!	MISCELLANEOUS PROGRAMS
!		!	
2 !	Reset User Table	$	! Load Special Application Pgm
!		●	! Return to Master Menu

The special support software consists of system accounting programs, error recovery programs, and initialization programs. These special support options are of particular interest to a system manager. A brief discussion of each option follows, but additional instruction is required to understand and operate this subsystem. Also, since the options deal with program structure only, a qualified systems programmer should use the options.

OPTION 1, EDIT SYSTEM FLAGS. Selecting Option 1 from the Special Support Menu will cause the screen to display:

CAR: UPDATE SYSTEM FLAGS   10/27/81   S: 1

    *   This program will allow the 'system' manager to update the value
    *   of the system flags. These flags include the type of system user
    *   and others to be defined at a future date.

    Please enter New Override Password:

                                  NOTE
    The value of these flags is critical to the proper operacion of the
    system.   Please use extreme caution when setting these values. Please
    note that while you are updating these flags the system status file is
    protected so that no one else may use the system.

.CNET Automated Requirement System: MASTER MENU

Enter Desired Option:

OPTION!	MASTER MENU
$	Special Support
1	Input TRID Information
2	Edit TRID Information
3	Delete/Cancel TRID
4	Rename TRID
5	Print TRID Reports
6	List TRIDs
7	Generate TRID Tape
8	Move TRID from Disk to Disk
•	End of Session

The above display is called the Master CAR System Menu. Select any one of the options from the menu, and press RETURN to open the files of the subsystem. A statement will appear on the screen requesting you wait while the files are being opened. After the files are opened, the first screen of the subsystem will appear. At this time, the user may return to the Master Menu by pressing RETURN.

The user is ready to INPUT, EDIT, DELETE, CANCEL, RENAME, LIST, AND PRINT DATA according to the subsystem selected. The procedures for operating each subsystem follow:

NOTE: The question for entering average salaries will appear 3 times
(each time RETURN must be pressed). This allows the user to change
salary for officer, enlisted, and civilian separately.

The next screen will now display:

```
Welcome to the CNET Automated Requirement System        10/27/81 S: 0

    Please Enter Your USER ID:







    Subsystem Data   - Address  Average Salaries (O/E/C)  Program  Printer  FY
    Header File              /D33
    Resource Funds          /D33    22000/  16000/  18000   D31      /005   84
    Resource Billets        /D33
    Billet Justification /D33
    Equipment               /D33
    System Sort Files       /D30
```

The user ID code (eight character maximum) must be entered by all users
before the system will continue to the next section. Pressing RETURN will
cause the following screen to display:

```
 MANPOWER REQUIREMENTS
1  UIC:  C0273        P.E. 89731              OBSE NO:                  CLAIMANT:  62A0

    TN
    ST                                 BIL-
    IN O BILLET                        LET $
LI  DS E SEQ                           AC/ AC/ AG/  LINE      QUAL  NEC/      LE-
NO  DS C CODE  BILLET/POSITION TITLE   BA  BA  SAG  ITEM BOC  DESC  NOBC  PSD VEL

2   DS C       PROJECT DIRECTOR        05  07  M6MN      TOB  GS-13 00301
3   DS C       ELEC ENG                05  07  M6MN      TOB  GS-13 00855
4   DS C       EDUCATION SPEC          05  07  M6MN      TOB  GS-11 01710

    BOC      STAFFING
    GROUP    STANDARD      JUSTIFICATION
5   TOB                    THIS IS A TEST

6

7



(PAGE 6) ENTER:  Line #, P#-Page, U-Next UIC/PE/OBSE/CL, F-First UIC/PE/OBSE/CL,
     E-Exit, N-More Billets, T-Totals, RETURN -next line, C-List AC/BA Codes    ##
```

To enter quantity of manpower, choose the desired line number and press RETURN
until you reach the level column. Touch RETURN again and the following display
appears:

			REQUESTED		
		FY 84	FY 85	FY 86	FY 87	FY 88
2		2	4	4	4	4
	PROGRAMMED	0	0	0	0	0
3		0	1	1	1	1
	PROGRAMMED	0	0	0	0	0
4		0	1	1	1	1
	PROGRAMMED	0	0	0	0	0

```
(PAGE 6) ENTER:  E -Exit Line, D -Duplicate value, RETURN/RECALL -next/last item
```

```
1 TYPE EQUIPMENT:        GFE X    TTE X    OTH

   SYSCOM  BA   TYPE   P-1 LINE ITEM TITLE      QTY - EQUIPMENT NOMENCLATURE      TASN

2  NAVSEA  07   TTE   TEST

3  NAVSEA  07   GFE

                       TEST 2

4

5

6

7

8

9


(PAGE 7) ENTER:  Line #, P# -Page, E -Exit, N -NEXT 8, RETURN -next line,
        C -List AC/BA Codes                                                    ##
```

1 TYPE EQUIPMENT:	GFE X	TTE X	OTH COST IN $000.0		
	FY 84	FY 85	FY 86	FY 87	FY 88
2	O#######	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0

(PAGE 7) ENTER: E -Exit Line, D -Duplicate value, RETURN/RECALL -next/last item

The following 2 screens are special viewing features of the system. Select T-Totals and the following screen will appear: (This feature allows the user to review the manpower totals entered for each TRID.)

	BILLET TOTALS				
	FY 84	FY 85	FY 86	FY 87	FY 88
MILSTU REQUESTED	0	0	0	0	0
PROGRAMMED	0	0	0	0	0
MILPERS REQUESTED	0	0	0	0	0
PROGRAMMED	0	0	0	0	0
CIVPERS REQUESTED	8	42	42	42	42
PROGRAMMED	0	0	0	0	0
TOTAL REQUESTED	8	42	42	42	42
PROGRAMMED	0	0	0	0	0

-- Touch any key when ready to continue --

Selecting C-List AC/BA CODES will cause the following display to appear. This feature displays codes (01 thru 24) that must be entered to identify the resource with the proper resource appropriation.

List of Appropriation Codes/Budget Activities

01	MILTRA	13	OPN-6
02	MILSTU	14	OPN-7
03	MILPERS	15	MCON
04	REIMB MILPERS	16	RDT&E
05	CIVH	17	RPN
06	REIMB CIVH	18	MPN
07	O&MN	19	SCN
08	OPN-1	20	APN
09	OPN-2	21	MIDS
10	OPN-3	22	OMNR
11	OPN-4	23	MCNR
12	OPN-5	24	NONE

Touch any key when finished looking

EDIT TRID INFORMATION SUBSYSTEM (MASTER MENU OPTION 2)

This subsystem operation is identical to the Input TRID Information Subsystem (Master Menu Option 1). The only difference between the two is the action taken, editing data versus inputting data.

DELETE/CANCEL TRID (MASTER MENU OPTION 3)

Figure 3 illustrates options available for this subsystem.

Selecting Option 3 from the Master CAR System Menu will cause the system to display:

```
CAR System:   DELETE/CANCEL MENU                              S:  1

                        Enter Desired Option:




          Option!         Delete/Cancel TRID
          1      !   Delete Entire TRID
          2      !   Delete Part of TRID
          3      !   Cancel TRID
          4      !   Uncancel TRID
                 !
                 !   Return to Main Menu
```

OPTION 1, DELETE ENTIRE TRID. Selecting Option 1 and pressing RETURN will cause the screen to display:

```
* * * TRID Delete Program * * *                     10/27/81  S:  1

                        Delete Mode


Enter TRID Number to Delete or RETURN:      _____
```

Enter the TRID number, press RETURN and the entire TRID is deleted.

OPTION 2, DELETE PART OF TRID. Selecting Option 2 and pressing RETURN will cause the screen to display:

```
┌─────────────────────────────┐
│      DELETE/CANCEL TRID      │
│                             │
│   (MASTER  MENU OPTION 3)    │
└─────────────────────────────┘
```

```
┌──────────────────────┐   ┌──────────────────────┐   ┌──────────────────────┐
│ DELETE ENTIRE TRID   │   │  DELETE PART OF TRID │   │     CANCEL TRID      │
│                      │   │                      │   │                      │
│         OPTION 1     │   │           OPTION 2   │   │          OPTION 3    │
└──────────────────────┘   └──────────────────────┘   └──────────────────────┘
```

```
┌──────────────────────┐   ┌──────────────────────┐
│    UNCANCEL TRID     │   │  RETURN TO MAIN MENU │
│                      │   │                      │
│         OPTION 4     │   │          OPTION •    │
└──────────────────────┘   └──────────────────────┘
```
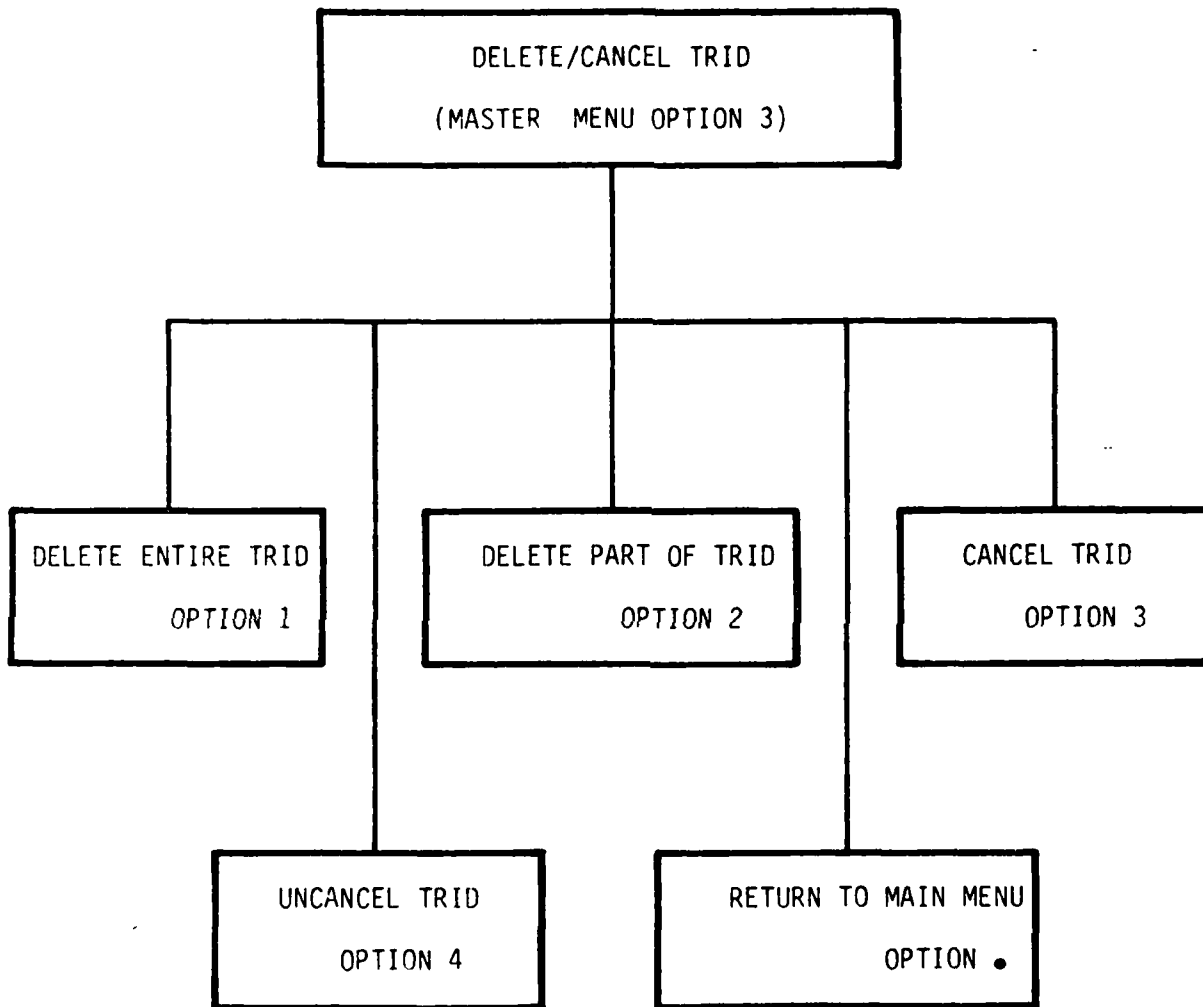
Figure 3. Delete/Cancel TRID Subsystem

```
+-----------------------------------------------------------------+
| * * *  TRID Delete Program * * *                 10/27/81  S:  1 |
|                                                                 |
|                         Delete Mode                             |
|                                                                 |
|                                                                 |
|  Enter TRID Number to Delete or RETURN:    _____                |
|                                                                 |
|                                                                 |
|                                                                 |
+-----------------------------------------------------------------+
```

This subsystem pages through the selected TRID allowing the user to delete certain parts of a TRID. Enter TRID number and press RETURN to display first page of TRID data. Use special command codes at bottom of screen to delete data.

OPTION 3, CANCEL TRID. Selecting Option 3 and pressing RETURN will cause the screen to display:

```
+-----------------------------------------------------------------+
| * * *  TRID Cancel Program * * *                 10/27/81  S:  1 |
|                                                                 |
|                         Cancel Mode                             |
|                                                                 |
|                                                                 |
|  Enter TRID Number to Cancel or RETURN:    _____                |
|                                                                 |
|                                                                 |
+-----------------------------------------------------------------+
```

Enter TRID number, press RETURN, and a cancellation flag (Y) is coded in the TRID. All TRID data remains in the files.

OPTION 4, UNCANCEL TRID. Selecting Option 4 and pressing RETURN will cause the screen to display:

```
+-----------------------------------------------------------------+
| * * *  TRID Uncancel Program * * *               10/27/81  S:  1 |
|                                                                 |
|                        Uncancel Mode                            |
|                                                                 |
|                                                                 |
|  Enter TRID Number to Uncancel or RETURN:    _____              |
|                                                                 |
|                                                                 |
+-----------------------------------------------------------------+
```

Enter TRID number, press RETURN, and the cancellation flag is changed from Y to N. The TRID is now active in all data routines.

> NOTE: For all options in this subsystem, press RETURN without entering TRID number to recall DELETE/CANCEL option display.

RENAME TRID SUBSYSTEM (MASTER MENU OPTION 4)

Figure 4 illustrates options available for this subsystem.

Selecting Option 4 from the Master CAR System Menu will cause the system to display:

```
CAR System:   RENAME MENU                                    S:  1

                         Enter Desired Option:


                Option !        Rename Menu
                1      !  Rename TRID
                2      !  Print Cross Reference
                       !
                .      !  Return to Main Menu
```

OPTION 1, RENAME TRID. Selecting Option 1 and pressing RETURN will cause the following display to appear:

```
* * * TRID Rename Program * * *                      10/27/81  S:  1

                            Rename Mode


Enter TRID Number to Rename or RETURN:  _____
```

After entering the TRID number to rename and pressing RETURN the following display appears:

```
* * * TRID RENAME PROGRAM                              10/27/81   S:   1

                              Rename Mode


Enter TRID Number to Rename or RETURN:   _____
Enter new TRID Number:   _____
```

Enter the new TRID number, press RETURN, and the TRID is renamed. The
rename menu will then reappear.

OPTION 2, PRINT CROSS REFERENCE. Selecting Option 2 from the Rename Menu
and pressing RETURN will cause the screen to display:

```
* * * TRID Print Cross Reference Program * * *         10/27/81   S:   1


Enter beginning TRID Number to Print or RETURN for first   _____




    *****     Touch Recall to Return to Rename Menu     *****
```

This screen affords the user the opportunity to specify TRIDs to print.
After entering the beginning TRID number, and touching RETURN, the following
screen display appears:

```
* * * TRID Print Cross Reference Program * * *         10/27/81   S:   1


Enter beginning TRID Number to Print or RETURN for first   _____
Enter ending TRID Number to Print or RETURN for all       _____



    *****     Touch Recall to Return to Rename Menu     *****
```
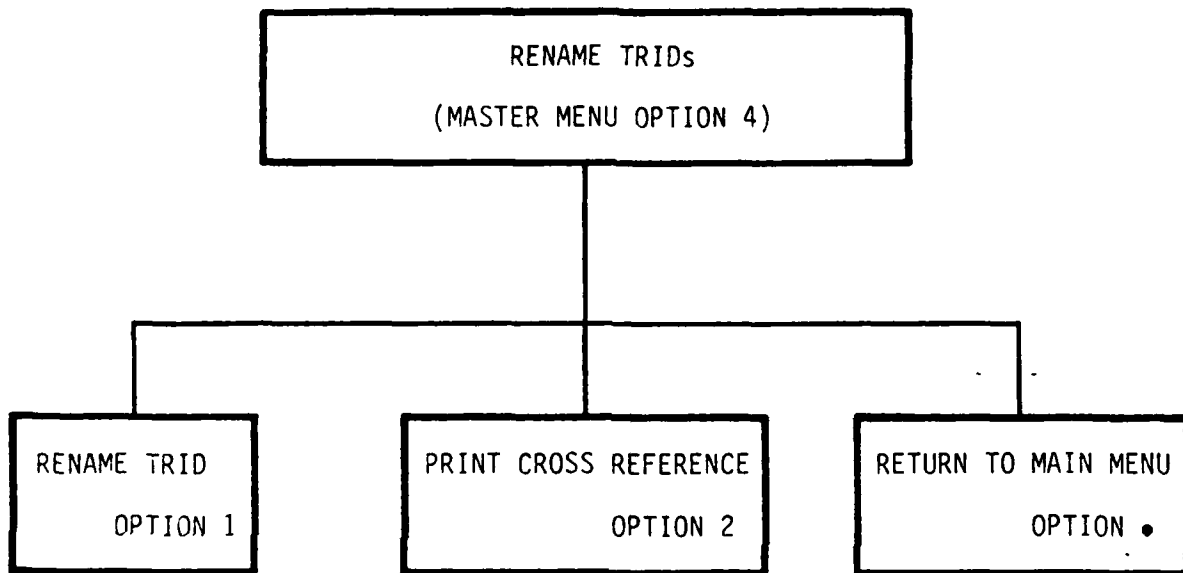
Figure 4.   RENAME TRID Subsystem

PRINT TRID REPORTS SUBSYSTEM (MASTER MENU OPTION 5)

Figure 5 illustrates the options available for this subsystem.

Selecting Option 5 from the Master CAR System Menu will cause the system to display:

```
CNET Automated Requirement System:  PRINT MENU                    S:  1

                      Enter Desired Option:




          Option  !          Print Menu
                  !
             1    !  Sort Resources (Funds and Manpower)
             2    !  Print Single TRID
             3    !  Print All TRIDs
                  !
             •    !  Return to Master Menu
```

NOTE: Additional SORT and PRINT options will be available as developed.

OPTION 1, SORT RESOURCES (FUNDS AND MANPOWER). Selecting Option 1 from this menu will cause the screen to display:

```
                     Initializing System Sort Tables
###################################################################################
                                                                            100%
```

After the initializing is complete, the screen will automatically display:

```
                        ┌─────────────────────────┐
                        │    PRINT TRID REPORTS    │
                        │                          │
                        │  (MASTER MENU OPTION 5)  │
                        └─────────────────────────┘
                                    │
        ┌───────────────┬───────────┴───────────┬───────────────┐
 ┌──────────────┐ ┌──────────────┐ ┌──────────────┐ ┌──────────────────┐
 │ SORT RESOURCES│ │PRINT SINGLE TRID│ │PRINT ALL TRIDs│ │RETURN TO MASTER MENU│
 │(FUNDS AND     │ │              │ │              │ │                  │
 │ MANPOWER)     │ │              │ │              │ │                  │
 │      OPTION 1 │ │     OPTION 2 │ │     OPTION 3 │ │         OPTION ● │
 └──────────────┘ └──────────────┘ └──────────────┘ └──────────────────┘
```

Figure 5. Print TRID Reports Subsystem

```
┌─────────────────────────────────────────────────────────────────┐
│              TRID SORT SEQUENCES PRESENTLY AVAILABLE              │
│                                                                  │
│     1.   CNET PLAN NUMBER                                        │
│     2.   CNET PLAN NUMBER SEQUENCE (INCLUDING CANCELLED TRIDs)   │
│     3.   REQUIREMENT SPONSOR, CNET PLAN NUMBER                   │
│     4.   FUNCTIONAL COMMANDER, CNET PLAN NUMBER                  │
│     5.   FUNCTIONAL COMMANDER, ACTIVITY                          │
│     6.   PROGRAM TITLE                                           │
│              ENTER THE NUMBER CORRESPONDING TO THE SEQUENCE DESIRED. │
│                                                                  │
└─────────────────────────────────────────────────────────────────┘
```
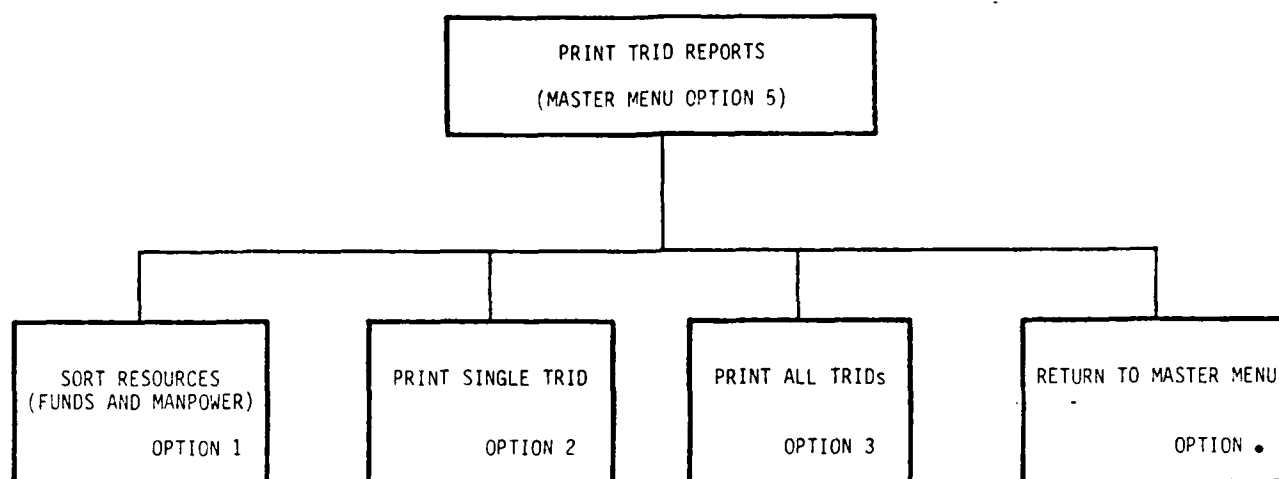
After the desired SORT sequence is entered press RETURN and the screen will display:

```
┌─────────────────────────────────────────────────────────────────┐
│                                                                  │
│         Building Sort Table ....... first pass                  │
│                                                                  │
└─────────────────────────────────────────────────────────────────┘
```

When sorting is complete the screen displays:

```
┌─────────────────────────────────────────────────────────────────┐
│                                                                  │
│         Sorting complete....touch any key to return to Print Menu │
│                                                                  │
└─────────────────────────────────────────────────────────────────┘
```

The user now may select the desired suboption of the Print TRID Reports subsystem.

NOTES:

1.   The user must execute this sort routine (suboption 1, Sort Resources) prior to attempting to use any of the remaining suboptions in this subsystem.

2.   Additionally, the Generate TRID Tape Subsystem (Master Menu Option 7) cannot be used until the Sort Resources suboption has been executed.

OPTION 2, PRINT SINGLE TRID

Selecting Option 2 from the Print TRID Reports Menu and pressing RETURN will cause the screen to display:

Have Resources (Funds and Manpower) been sorted?   (Y or N)

If the Resources have not been sorted the user must execute suboption 1, Sort Resources. However, given that the Resources have been sorted press Y and RETURN and the following display appears.

---

* * * TRID Print Program * * *   10/27/81   S:1

Print Mode

Enter TRID Number to Print or RETURN: _____

After entering the desired number and pressing RETURN, the TRID will be printed out on the selected printer. Press RETURN to recall print option display.

OPTION 3, PRINT ALL TRIDS. Selecting Option 3 from the Print TRID Reports Menu and pressing RETURN will cause the screen to display:

Have Resources (Funds and Manpower) been sorted (Y or N)

If the resources have not been sorted, the user must execute suboption 1, sort resources. However, given that resources have been sorted, press Y and RETURN. All TRIDS will print automatically in the order sorted. You do not input TRID numbers as in Option 2 of this subsystem.

LIST TRID SUBSYSTEM (MASTER MENU OPTION 6)

Figure 6 illustrates the options available for this subsystem.

Selecting Option 6 from the Master CAR System Menu will cause the screen to display:

```
TRID List Program * * *                                    10/27/81 S: 1

                              LIST MENU

                        1  List ALL TRIDs
                        2  List CANCELLED TRIDs
                        3  List ACTIVE TRIDs
                        •  Return to Master Menu

                        Enter Option
```

OPTION 1, LIST ALL TRIDs. Selecting Option 1 will cause the printer to list all TRIDS.

```
     Page    1                List ALL TRIDS

TRID Number                FCDR Number            Date Last Revised
------------               -------------          -----------------

P84 -IK-001                    IK-001                 09/14/81
P84 -IK-005                    IK-005                 09/14/81
PP4 -IK-006                    IK-006                 09/14/81
```

OPTION 2, LIST CANCELLED TRIDs. Selecting Option 2 will cause the printer to print only cancelled TRIDS.

```
     Page    1    List Cancelled TRIDS

TRID Number                FCDR Number            Date Last Revised
------------               -------------          -----------------

P84 -IK-001                    IK-001                 09/14/81
P84 -IK-005                    IK-005                 09/14/81
P84 -IK-006                    IK-006                 09/14/81
P84 -IK-008                    IK-008                 09/14/81
P84 -IK-013                    IK-013                 09/17/81
```
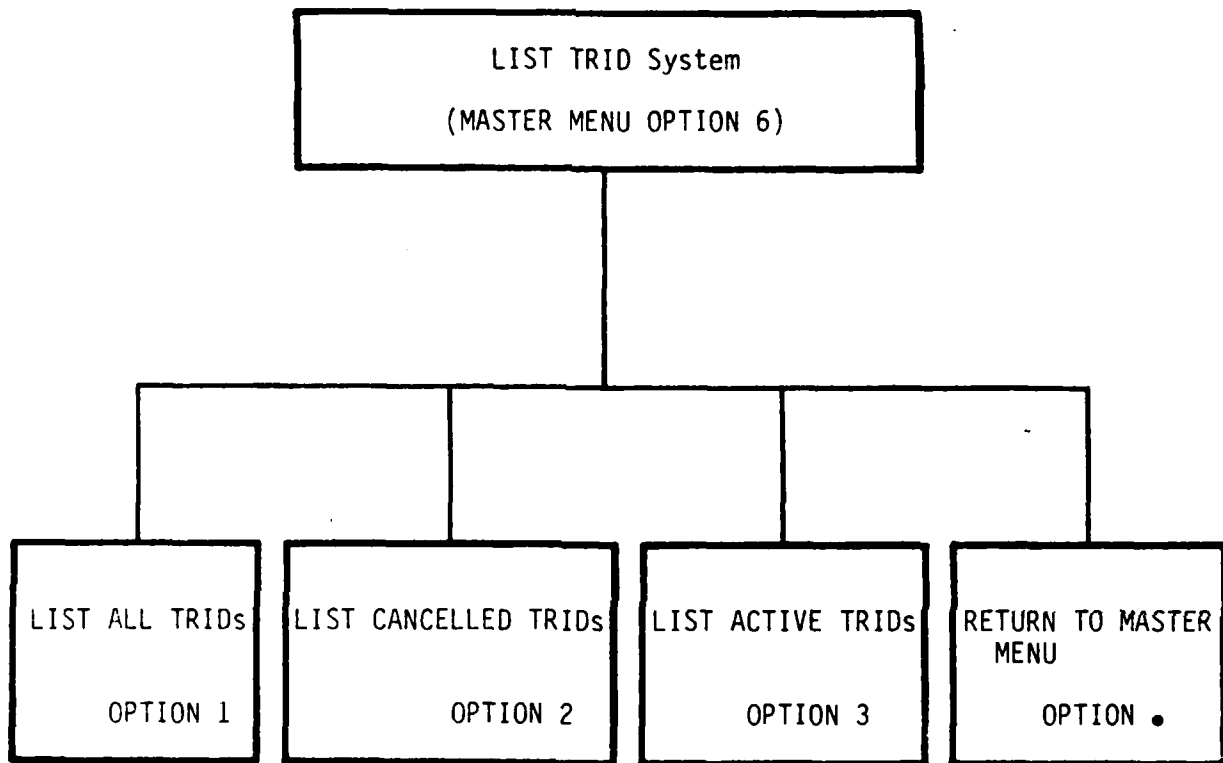
```
                    ┌─────────────────────────────┐
                    │      LIST TRID System        │
                    │  (MASTER MENU OPTION 6)      │
                    └──────────────┬──────────────┘
                                   │
         ┌─────────────┬───────────┴──────────┬──────────────┐
         │             │                      │              │
┌────────────────┐┌───────────────────┐┌────────────────┐┌──────────────────┐
│LIST ALL TRIDs  ││LIST CANCELLED TRIDs││LIST ACTIVE TRIDs││RETURN TO MASTER  │
│                ││                    ││                ││MENU              │
│    OPTION 1    ││      OPTION 2      ││    OPTION 3    ││    OPTION ●       │
└────────────────┘└───────────────────┘└────────────────┘└──────────────────┘
```

Figure 6. List TRIDs Subsystems

45

OPTION 3, LIST ACTIVE TRIDs. Selecting Option 3 will cause the printer to print only active TRIDS.

Page 1 List Active TRIDS		
TRID Number	FCDR Number	Date Last Revised
P84 -IK-016	IK-016	09/16/81
P84 -IK-021	IK-021	09/15/81
P84 -IK-022	IK-022	09/15/81
P84 -IK-025	IK-025	09/18/81
P84 -IK-027	IK-027	09/17/81

GENERATE TRID TAPE (MASTER MENU OPTION 7)

Selecting Option 7, Generate TRID Tape, from the Master CAR System Menu will cause the screen to display:

```
Have Resources (Funds and Manpower) been sorted for this summary run?
(Y or N)
```

If the Resources have not been sorted and the user inserts an N, the program will be unable to continue and will return the user to the Master Menu. If the user desires to continue, select Option 5, Print CAR Reports, from the Master CAR System Menu. Once this subsystem menu appears on the CRT, the user must select suboption 1, Sort Resources (Funds and Manpower). After this suboption sorts the data, the user can then return to Option 7, Generate TRID Tape, enter Y and continue.

If the resources have been sorted, enter Y and the screen will display:

```
Enter Beginning Date of TRIDs to write (YYMMDD) 000000
```

Enter the beginning date and the following display appears:

```
Enter Beginning Date of TRIDs to write (YYMMDD) 000000
Enter Ending Date of TRIDs to write (YYMMDD) 999999
```

This allows the user to identify specifically those TRIDs that are to be generated.

MOVE TRID FROM DISK TO DISK SUBSYSTEM (MASTER MENU OPTION 8)

Selecting Option 8, Move TRID from Disk to Disk, from the Master CAR System Menu will cause the screen to display:

```
        ENTER THE TRID DISK ADDRESSES OF THE 'FROM' DISKS

                    Disk Address

        Header                              Header
        Req Defn                            Req Defn
        Res Funds                           Res Funds
        Bill Ptrs                           Bill Ptrs
        Bill Just                           Bill Just
        Equipment                           Equipment
        Funds Just                          Funds Just
        Res Bills                           Res Bills
        Just Text                           Just Text
```

After the user has specified the proper "From" disks the screen will display:

```
        ENTER THE TRID DISK ADDRESSES OF THE 'TO' DISKS

                    Disk Address

        Header      D31                     Header
        Req Defn    D31                     Req Defn
        Res Funds   D31                     Res Funds
        Bill Ptrs   D31                     Bill Ptrs
        Bill Just   D31                     Bill Just
        Equipment   D31                     Equipment
        Funds Just  D31                     Funds Just
        Res Bills   D31                     Res Bills
        Just Text   D31                     Just Text
```

Once the "To" disks are entered the screen will display:

```
* * *   TRID Move Program * * *                        10/17/81  S:  1

                              Move Mode

Enter TRID Number to Move or RETURN:      _____
```

The user can now enter the TRID number(s) that is to be transferred from disk to disk.

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